

Please amend the application as follows:

In the Claims

Please amend Claims 1 and 11.

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1. (Twice Amended) In a computer system, a method for clustering a plurality of datapoints, wherein each datapoint is a series of gene expression values, wherein the method comprises:

- D1
- a) receiving the gene expression values of the datapoints;
 - b) using a self organizing map, clustering the datapoints such that the datapoints that exhibit similar patterns are clustered together into respective clusters, wherein prior knowledge of the datapoints to be clustered is not necessary; and
 - c) providing an output indicating the clusters of the datapoints.
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11. (Twice Amended) In a computer system, a method for grouping a plurality of datapoints, wherein each datapoint is a series of gene expression values, wherein the method comprises:

- D2
- a) receiving gene expression values of the datapoints;
 - b) filtering out any datapoints that exhibit an insignificant change in the gene expression value, such that working datapoints remain;
 - c) normalizing the gene expression value of the working datapoints;
 - d) using a self organizing map, grouping the working datapoints such that the datapoints that exhibit similar patterns are grouped together into respective clusters, wherein prior knowledge of the datapoints to be clustered is not necessary; and
 - e) providing an output indicating the groups of the datapoints.
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Amendments to the claims are indicated in the attached "Marked Up Version of Amendments" (page i).